# PART 70 OPERATING PERMIT
# OFFICE OF AIR MANAGEMENT
# AND
# ENHANCED NEW SOURCE REVIEW

**Franklin Electric Company**
**400 East Spring Street**
**Bluffton, Indiana 46714**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

| Operation Permit No.: T179-7973-00010 | |
|---|---|
| Issued by:<br>Janet G. McCabe, Assistant Commissioner<br>Office of Air Management | Issuance Date: |

## TABLE OF CONTENTS

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary source that produces electrical motors.

| | |
|---|---|
| Responsible Official: | Ronald L. Beck |
| Source Address: | 400 East Spring Street, Bluffton, Indiana, 46714 |
| Mailing Address: | 400 East Spring Street, Bluffton, Indiana, 46714 |
| SIC Code: | 3621 |
| County Location: | Wells County |
| County Status: | Attainment for all criteria pollutants |
| Source Status: | Part 70 Permit Program<br>Minor Source, under PSD Rules;<br>Major Source, Section 112 of the Clean Air Act |

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(1) One (1) fractional motor shells prime paint booth, identified as Unit B4, with a maximum capacity of two-hundred and one parts per hour (201 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-3 and E-4.

(2) One (1) fractional motors fungicide spray booth, identified as Unit E-7, with a maximum capacity of two-hundred parts per hour (200 parts/hr), using a dry filter as overspray control, and exhausting to stack E-7.

(3) One (1) fractional motors miscellaneous metals prime paint booth, identified as Unit C3, with a maximum capacity of five-hundred parts per hour (500 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-8 and E-9.

(4) Two (2) fractional motors main assembly paint booths, identified as Units G4, with a maximum capacity of one-hundred and fifty parts per hour and one-hundred and eighty parts per hour (150 parts/hr and 180 parts/hr), using dry filters as overspray control, and exhausting to stacks E-10, E-11 and E-12.

(5) One (1) fractional motors touch-up paint booth, identified as Unit G9, with a maximum capacity of fifty parts per hour (50 parts/hr), using a dry filter as overspray control, and exhausting to stack E-13.

(6) One (1) submersible motors liner prime paint booth, identified as Unit I2, with a maximum capacity of seventeen parts per hour (17 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-14, E-15.

(7) One (1) submersible motors cast iron parts paint booth, identified as Unit M3, with a maximum capacity of sixty parts per hour (60 parts/hr), using a dry filter as overspray control, and exhausting to stack E-19.

(8) One (1) submersible motors 10 inch assembly paint booth, identified as Unit N3, with a maximum capacity of thirty parts per hour (30 parts/hr), using a dry filter as overspray control, and exhausting to stack E-18.

(9) One (1) natural gas, propane, and no. 2 fuel oil-fired boiler, rated at thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr), and exhausting to stack E-1.

(10) One (1) fractional motors stator varnishing tank, identified as Unit E-4, with a maximum capacity of one-hundred and fifty-four parts per hour (154 parts/hr), and a natural gas burn-off oven (Unit E-6), rated at 0.3 million Btu per hour, exhausting to stacks E-9, E-6 and E-5.

(11) One (1) submersible motors rotor varnish booth, identified as Unit J2, with a maximum capacity of twenty-six parts per day (26 parts/day), and exhausting to stack E-17.

(12) One (1) new stator varnish paint booth, with a maximum capacity of five parts per day (5 parts/day) and a natural gas fired curing varnish oven, rated at 0.800 million Btu per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- Manufacturing activities not resulting in the emission of HAPs such as brazing equipment, cutting torches, soldering equipment, welding equipment.

- One (1) welding station, identified as Unit H5, with a maximum capacity of seven parts per hour (7 parts/hr), and exhausting to stack E-16.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

(a) Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7.

(b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled “Permit Shield.”

B.2 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2 and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-7-5(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-7-7(a)]

(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.

(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source’s potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.6 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

(c) Upon request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

(a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, on the attached Certification Form, with each submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually certify that the source has complied with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
and
United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was based on continuous or intermittent data;

(4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);

(5) Any significant activity that has been added without a permit revision; and

(6) Such other facts, as specified in Sections D of this permit, as IDEM, OAM, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) PMP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM.

B.13 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Management, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAM, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAM, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

## B.14 Permit Shield [326 IAC 2-7-15]

(a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.

(b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:

(1) The applicable requirements are included and specifically identified in this permit; or

(2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.

(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.

(e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAM, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAM, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) An emergency as defined in 326 IAC 2-7-1(12); or

(3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.

(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

(c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAM, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-4]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due. [326 IAC 2-5-3]

(2) If IDEM, OAM, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAM, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM, any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAM, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(I) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

(a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

B.22 Operational Flexibility [326 IAC 2-7-20]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

(b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAM, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.23 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.24 Inspection and Entry [326 IAC 2-7-6(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]

(1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAM, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAM, nor an authorized representative, may disclose the information unless and until IDEM, OAM, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]

(2) The Permittee, and IDEM, OAM, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]

Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) IDEM, OAM, shall reserve the right to issue a new permit.

B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

(a) The Permittee shall pay annual fees to IDEM, OAM, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

## B.27 Enhanced New Source Review [326 IAC 2]

The requirements of the construction permit rules in 326 IAC 2 are satisfied by this permit for any previously unpermitted facilities and facilities to be constructed within eighteen (18) months after the date of issuance of this permit, as listed in Sections A.2 and A.3.

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

(a) The total source potential to emit of PM10, VOC, $SO_2$, $NO_x$ or CO are less than 250 tons per year. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 will not apply.

(b) Any change or modification which may increase potential to emit to 250 tons per year, from the equipment covered in this permit, shall require a PSD permit pursuant to 326 IAC 2-2 and 40 CFR 52.21, before such change may occur.

C.2 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

(a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings, as determined in 326 IAC 5-1-4.

(b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

This condition is not federally enforceable.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. This condition is not federally enforceable.

C.5 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. This condition is not federally enforceable.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). Rule 326 IAC 6-4-2(4) regarding visible dust is not federally enforceable.

C.7 Operation of Equipment [326 IAC 2-7-6(6)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

**Testing Requirements [326 IAC 2-7-6(1)]**

C.9 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

(b) All test reports must be received by IDEM, OAM within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

C.10 Compliance Schedule [326 IAC 2-7-6(3)]

The Permittee:

(a) Has certified that all facilities at this source are in compliance with all applicable requirements;

(b) Has submitted a statement that the Permittee will continue to comply with such requirements; and

(c) Will comply with such requirements that become effective during the term of this permit.

C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.12 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

**Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]**

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

(a) Submit:

(1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or

(2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and

(3) A verification to IDEM, OAM, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

(b) Provide annual certification to IDEM, OAM, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.15 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6] [326 IAC 1-6]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:

(1) This condition;

(2) The Compliance Determination Requirements in Section D of this permit;

(3) The Compliance Monitoring Requirements in Section D of this permit;

(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and

(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :

(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.

(b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.

(c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:

(1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;

(3) An automatic measurement was taken when the process was not operating; or

(4) The process has already returned to operating within "normal" parameters and no response steps are required.

(d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

C.18 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

(a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

(d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

(e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.

(f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

(a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon request of an IDEM, OAM, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Records of required monitoring information shall include, where applicable:

(1) The date, place, and time of sampling or measurements;

(2) The dates analyses were performed;

(3) The company or entity performing the analyses;

(4) The analytic techniques or methods used;

(5) The results of such analyses; and

(6) The operating conditions existing at the time of sampling or measurement.

(c) Support information shall include, where applicable:

(1) Copies of all reports required by this permit;

(2) All original strip chart recordings for continuous monitoring instrumentation;

(3) All calibration and maintenance records;

(4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

(d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

(a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

(d) Unless otherwise specified in this permit, any quarterly or semi-annual report shall be submitted within thirty (30) days of the end of the reporting period.

(e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports.

(f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Stratospheric Ozone Protection**

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

**SECTION D.1 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
One (1) fractional motor shells prime paint booth, identified as Unit B4, with a maximum capacity of two-hundred and one parts per hour (201 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-3 and E-4.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.1.1 Volatile Organic Compound (VOC) [326 IAC 8-2-9]

The VOC content delivered to the applicator of the fractional motor shells prime paint booth shall be limited to two (2) tons per month. Therefore, the VOC coating limit requirement in 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) does not apply.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2, the PM from the fractional motor shells prime paint booth (Unit B4) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

**Compliance Determination Requirements**

D.1.4 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when the spray booth is in operation.

D.1.5 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.6 VOC Emissions

Compliance with Condition D.1.1 shall be demonstrated at the end of each month based on the total volatile organic compound usage for the most recent month.

D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.1.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

D.1.8 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating stacks (E-3, E-4) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.1.9 Record Keeping Requirements

(a) To document compliance with Condition D.1.8, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(b) To document compliance with Condition D.1.1 and D.1.6, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month;

(4) The total VOC usage for each month; and

(5) The weight of VOCs emitted for each compliance period.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

**SECTION D.2 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
- One (1) fractional motors fungicide spray booth, identified as Unit E7, with a maximum capacity of two-hundred parts per hour (200 parts/hr), using a dry filter as overspray control, and exhausting to stack E-7.
- One (1) fractional motors miscellaneous metals prime paint booth, identified as Unit C3, with a maximum capacity of five-hundred parts per hour (500 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-8 and E-9.
- Two (2) fractional motors main assembly paint booths, identified as Units G4, with a maximum capacity of one-hundred and fifty parts per hour and one-hundred and eighty parts per hour (150 parts/hr and 180 parts/hr), using dry filters as overspray control, and exhausting to stacks E-10, E-11 and E-12.
- One (1) fractional motors touch-up paint booth, identified as Unit G9, with a maximum capacity of fifty parts per hour (50 parts/hr), using a dry filter as overspray control, and exhausting to stack E-13.
- One (1) submersible motors liner prime paint booth, identified as Unit I2, with a maximum capacity of seventeen parts per hour (17 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-14, E-15.
- One (1) submersible motors cast iron parts paint booth, identified as Unit M3, with a maximum capacity of sixty parts per hour (60 parts/hr), using a dry filter as overspray control, and exhausting to stack E-19.
- One (1) submersible motors 10 inch assembly paint booth, identified as Unit N3, with a maximum capacity of thirty parts per hour (30 parts/hr), using a dry filter as overspray control, and exhausting to stack E-18.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.2.1 Volatile Organic Compound (VOC)

Any change or modification to each facility that would lead to an increase in volatile organic compound (VOC) emissions above twenty-five (25) tons per year, as specified in 326 IAC 2-1 must be approved by the Office of Air Management (OAM) before such change or modification can occur.

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2(c)]

The PM from the spray booths (Units E7, C3, G4, I2, M3, N3) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

**Compliance Determination Requirements**

D.2.4 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when the spray booths are in operation.

D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

D.2.6 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (E-7, E-8, E-9, E-10, E-11, E-12, E-13, E-14, E-15, E-18, E-19) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.2.7 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) through (3) below.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The cleanup solvent usage for each month;

(3) The total VOC usage for each month; and

(b) To document compliance with Condition D.2.6, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.8 Reporting Requirements

These records shall be made available upon request to the Office of Air Management.

**SECTION D.3 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
One (1) natural gas, propane and no. 2 fuel oil-fired boiler, rated at thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr), and exhausting to stack E-1.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.3.1 Particulate Matter (PM) [326 IAC 6-2-3 (d)]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) heat input boiler shall be limited to 0.8 pounds per million British thermal unit (0.8 lb/MMBtu) heat input.

D.3.2 Sulfur Dioxide ($SO_2$) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 ($SO_2$ Emissions Limitations) the $SO_2$ emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) heat input boiler shall not exceed five-tenths (0.5) pounds per million Btu of heat input.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

**Compliance Determination Requirements**

D.3.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) heat input boiler, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the limits specified in Conditions D.3.1 or D.3.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

D.3.6 Visible Emissions Notations

(a) Daily visible emission notations of the boiler stack exhaust shall be performed during normal daylight operations when burning fuel oil and exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.3.7 Record Keeping Requirements

(a) To document compliance with Condition D.3.2 and D.3.4, the Permittee shall maintain records in accordance with (1) through (6) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications.

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.3.6, the Permittee shall maintain records of daily visible emission notations of the boiler stack exhaust.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.8 Reporting Requirements

A semi-annual summary of the information to document compliance with Condition D.3.2 in any compliance period when no. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

**SECTION D.4 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
- One (1) fractional motors stator varnishing tank, identified as Unit E-4, with a maximum capacity of one-hundred and fifty-four parts per hour (154 parts/hr), and a natural gas burn-off oven (Unit E-6), rated at three-tenths million Btu per hour (0.3 MMBtu/hr), exhausting to stacks E-9, E-6 and E-5.
- One (1) submersible motors rotor varnish booth, identified as Unit J2, with a maximum capacity of twenty-six parts per day (26 parts/day), and exhausting to stack E-17.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.4.1 Volatile Organic Compound (VOC)

Any change or modification to each facility that would lead to an increase in volatile organic compound (VOC) emissions above twenty-five (25) tons per year, as specified in 326 IAC 2-1 must be approved by the Office of Air Management (OAM) before such change or modification can occur.

D.4.2 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2, the PM from the rotor varnish paint booth shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

**Compliance Determination Requirements**

D.4.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.4.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

There are no compliance monitoring requirements applicable to these facilities.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.4.4 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, the Permittee shall maintain records in accordance with (1) through (3) below.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The cleanup solvent usage for each month;

(3) The total VOC usage for each month; and

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.5 Reporting Requirements

These records shall be made available upon request to the Office of Air Management.

**SECTION D.5 FACILITY CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
One (1) new stator varnish paint booth, with a maximum capacity of five parts per day (5 parts/day) and a natural gas fired curing varnish oven, rated at 0.800 million Btu per hour.

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

**Construction Conditions [326 IAC 2-1-3.2]**

**General Construction Conditions**

D.5.1 This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

**Effective Date of the Permit**

D.5.2 Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.

D.5.3 Pursuant to 326 IAC 2-1-9(b) (Revocation of Permits), IDEM, OAM, may revoke this section of the approved permit if construction is not commenced within eighteen (18) months after receipt of this permit or if construction is suspended for a continuous period of one (1) year or more.

D.5.4 All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

**First Time Operation Permit**

D.5.5 This document shall also become the first-time operation permit for the facilities under this section of this permit, pursuant to 326 IAC 2-1-4 (Operating Permits) when, prior to start of operation, the following requirements are met:

(a) The attached affidavit of construction shall be submitted to:

Indiana Department of Environmental Management
Permit Administration & Development Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

verifying that the facilities were constructed as proposed in the application. The facilities covered in this section of this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.

(b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.

(c) The permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this permit.

**Operation Conditions**

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.5.6 Volatile Organic Compound (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volume weighted average volatile organic compound (VOC) content of coating applied to the electric stators shall be limited to four and three-tenths (4.3) pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calender day.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.5.7 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2, the PM from the stator varnish paint booth shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

**Compliance Determination Requirements**

D.5.8 Volatile Organic Compounds

Compliance with the VOC content limitation contained in Condition D.5.6 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. However, IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.5.9 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.5.7 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

There are no applicable compliance monitoring conditions for this unit.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

D.5.10 Record Keeping Requirements

(a) To document compliance with Condition D.5.6, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.5.6.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month;

(4) The total VOC usage for each month; and

(5) The daily VOC volume weight average of each coating material and solvent used.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**SECTION D.6 FACILITY OPERATION CONDITIONS**

**INSIGNIFICANT ACTIVITIES**

Manufacturing activities not resulting in the emission of HAPs such as brazing equipment, cutting torches, soldering equipment, welding equipment.

One (1) welding station, identified as Unit H5, with a maximum capacity of seven parts per hour (7 parts/hr), and exhausting to stack E-16.

**Process Weight Activities**

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.6.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable PM emission rate from each of the manufacturing activities such as brazing equipment, cutting torches, soldering equipment, welding equipment and welding station shall not exceed allowable PM emission rate based on the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

**Compliance Determination Requirement**

D.6.2 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.6.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR MANAGEMENT
# COMPLIANCE DATA SECTION

## PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Franklin Electric Company
Source Address: 400 East Spring Street, Bluffton, Indiana 46714
Mailing Address: 400 East Spring Street, Bluffton, Indiana 46714
Part 70 Permit No.: T179-7973-00010

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

**9** Annual Compliance Certification Letter

**9** Test Result (specify) _____

**9** Report (specify) _____

**9** Notification (specify) _____

**9** Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR MANAGEMENT
# COMPLIANCE DATA SECTION

**P.O. Box 6015**
**100 North Senate Avenue**
**Indianapolis, Indiana 46206-6015**
**Phone: 317-233-5674**
**Fax: 317-233-5967**

## PART 70 OPERATING PERMIT
## EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: Franklin Electric Company
Source Address: 400 East Spring Street, Bluffton, Indiana 46714
Mailing Address: 400 East Spring Street, Bluffton, Indiana 46714
Part 70 Permit No.: T179-7973-00010

**This form consists of 2 pages** **Page 1 of 2**

| Check either No. 1 or No.2 |
|---|
| **9** 1. This is an emergency as defined in 326 IAC 2-7-1(12)<br>c The Permittee must notify the Office of Air Management (OAM), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and<br>c The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16 |
| **9** 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c)<br>c The Permittee must submit notice in writing within ten (**10**) calendar days |

If any of the following are not applicable, mark N/A

| |
|---|
| Facility/Equipment/Operation: |
| Control Equipment: |
| Permit Condition or Operation Limitation in Permit: |
| Description of the Emergency/Deviation: |
| Describe the cause of the Emergency/Deviation: |

If any of the following are not applicable, mark N/A **Page 2 of 2**

| |
|---|
| Date/Time Emergency/Deviation started: |
| Date/Time Emergency/Deviation was corrected: |
| Was the facility being properly operated at the time of the emergency/deviation? Y N<br>Describe: |
| Type of Pollutants Emitted: TSP, PM-10, $SO_2$, VOC, $NO_X$, CO, Pb, other: |
| Estimated amount of pollutant(s) emitted during emergency/deviation: |
| Describe the steps taken to mitigate the problem: |
| Describe the corrective actions/response steps taken: |
| Describe the measures taken to minimize emissions: |
| If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value: |

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR MANAGEMENT
# COMPLIANCE DATA SECTION

## PART 70 OPERATING PERMIT
## NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: Franklin Electric Company
Source Address: 400 East Spring Street, Bluffton, Indiana 46714
Mailing Address: 400 East Spring Street, Bluffton, Indiana 46714
Part 70 Permit No.: T179-7973-00010

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Report period
Beginning: _____
Ending: _____

| Alternate Fuel | Days burning alternate fuel From | To |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR MANAGEMENT
# COMPLIANCE DATA SECTION

## Part 70 Quarterly Report

Source Name: Franklin Electric Company
Source Address: 400 East Spring Street, Bluffton, Indiana 46714
Mailing Address: 400 East Spring Street, Bluffton, Indiana 46714
Part 70 Permit No.: T179-7973-00010
Facility: Fractional motor shells prime paint booth (Unit B4)
Parameter: VOC
Limit: Two (2) tons per month

YEAR: _____

| Month | Column 1 | Column 2 | Column 1 + Column 2 |
|---|---|---|---|
| | This Month | Previous 11 Months | 12 Month Total |
| Month 1 | | | |
| Month 2 | | | |
| Month 3 | | | |

**9** No deviation occurred in this quarter.

**9** Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR MANAGEMENT
# COMPLIANCE DATA SECTION

## PART 70 OPERATING PERMIT
## QUARTERLY COMPLIANCE MONITORING REPORT

Source Name: Franklin Electric Company
Source Address: 400 East Spring Street, Bluffton, Indiana 46714
Mailing Address: 400 East Spring Street, Bluffton, Indiana 46714
Part 70 Permit No.: T179-7973-00010

**Months:** _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

**9** NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

**9** THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD:

| **Compliance Monitoring Requirement** (e.g. Permit Condition D.1.1) | **Number of Deviations** | **Date of each Deviations** |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

# Indiana Department of Environmental Management
# Office of Air Management

## Technical Support Document (TSD) for a Part 70 Operating Permit
## and
## Enhanced New Source Review (ENSR)

## Source Background and Description

| | |
|---|---|
| **Source Name:** | **Franklin Electric Company** |
| **Source Location:** | **400 East Spring Street, Bluffton, Indiana 46714** |
| **County:** | **Wells** |
| **SIC Code:** | **3621** |
| **Operation Permit No.:** | **T179-7973-00010** |
| **Permit Reviewer:** | KERAMIDA/RMEH |

The Office of Air Management (OAM) has reviewed a Part 70 permit application from Franklin Electric Company relating to the manufacture of electrical motors.

### Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(1) One (1) fractional motor shells prime paint booth, identified as Unit B4, with a maximum capacity of two-hundred and one parts per hour (201 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-3 and E-4.

(2) One (1) fractional motors fungicide spray booth, identified as Unit E-7, with a maximum capacity of two-hundred parts per hour (200 parts/hr), using a dry filter as overspray control, and exhausting to stack E-7.

(3) One (1) fractional motors miscellaneous metals prime paint booth, identified as Unit C3, with a maximum capacity of five-hundred parts per hour (500 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-8 and E-9.

(4) Two (2) fractional motors main assembly paint booths, identified as Units G4, with a maximum capacity of one-hundred and fifty parts per hour and one-hundred and eighty parts per hour (150 parts/hr and 180 parts/hr), using dry filters as overspray control, and exhausting to stacks E-10, E-11 and E-12.

(5) One (1) fractional motors touch-up paint booth, identified as Unit G9, with a maximum capacity of fifty parts per hour (50 parts/hr), using a dry filter as overspray control, and exhausting to stack E-13.

(6) One (1) submersible motors liner prime paint booth, identified as Unit I2, with a maximum capacity of seventeen parts per hour (17 parts/hr), using a dry filter as overspray control, and exhausting to stacks E-14, E-15.

(7) One (1) submersible motors cast iron parts paint booth, identified as Unit M3, with a maximum capacity of sixty parts per hour (60 parts/hr), using a dry filter as overspray control, and exhausting to stack E-19.

(8) One (1) submersible motors 10 inch assembly paint booth, identified as Unit N3, with a maximum capacity of thirty parts per hour (30 parts/hr), using a dry filter as overspray control, and exhausting to stack E-18.

(9) One (1) natural gas and no. 2 fuel oil-fired boiler, rated at 33.5 million Btu per hour and exhausting to stack E-1.

(10) One (1) fractional motors stator varnishing tank, identified as Unit E-4, with a maximum capacity of one-hundred and fifty-four parts per hour (154 parts/hr), and a natural gas burn-off oven (Unit E-6), rated at 0.3 million Btu per hour, exhausting to stacks E-9, E-6 and E-5.

**Unpermitted Emission Units and Pollution Control Equipment**

The source also consists of the following unpermitted emission unit:

One (1) submersible motors rotor varnish booth, identified as Unit J2, with a maximum capacity of twenty-six parts per day (26 parts/day), and exhausting to stack E-17.

**New Emission Units and Pollution Control Equipment Requiring ENSR**

The application includes information relating to the construction and operation of a new stator varnish process, consisting of the following equipment:

One (1) paint booth with a maximum capacity of five parts per day (5 parts/day) and a curing varnish oven, rated at 0.85 million Btu per hour.

**Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

1) Space heaters, process heaters, or boilers using natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.

2) Combustion source flame safety purging on startup.

3) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

4) Refractory storage not requiring air pollution control equipment.

5) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.

6) Machining where an aqueous cutting coolant continuously floods the machining interface.

7) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment.

8) One (1) welding station, identified as Unit H5, with a maximum capacity of seven parts per hour (7 parts/hr), and exhausting to stack E-16.

9) Closed loop heating and cooling systems.

10) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.

11) Noncontact cooling tower systems with forced and induced draft cooling tower system no regulated under a NESHAP.

12) Quenching operations used with heat treating processes.

13) Process vessel degassing and cleaning to prepare for internal repairs.

14) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

15) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

16) Mold release agents using low volatile products (vapor pressure less than or equal to 2 KiloPascals measured at 38 degrees (C).

17) Other activities or categories not previously identified:

    1) Phosphating operations on steel parts.
    2) Annealing of steel parts.
    3) Die cast aluminum melting and casting.
    4) Propane emergency standby tanks.
    5) Oil/Water waste storage tank.
    6) Adhesive on carbon bearings

18) Waste Oil tanks.

19) Three (3) 30,000-gallon propane tanks.

20) One (1) evaporator unit, used to concentrate water/lubricant solutions.

**Existing Approvals**

The source has been operating under previous approvals including, but not limited to, the following:

(1) OP 90-12-90-0079, issued on October 30, 1987.

**Enforcement Issue**

(a) IDEM is aware that the following equipment has been constructed and operated prior to receipt of the proper permit:

One (1) submersible motors rotor varnish booth, identified as Unit J2, with a maximum capacity of twenty-six parts per day (26 parts/day), and exhausting to stack E-17.

(b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

There are no Enforcement actions pending.

**Recommendation**

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on December 16, 1996. Additional information received on October 31, 1997, November 5, 1997, and November 18, 1997 makes the Part 70 permit application administratively complete.

**Emission Calculations**

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document.

**Potential Emissions**

Pursuant to 326 IAC 1-2-55, Potential Emissions are defined as "emissions of any one (1) pollutant which would be emitted from a facility, if that facility were operated without the use of pollution control equipment unless such control equipment is necessary for the facility to produce its normal product or is integral to the normal operation of the facility."

| Pollutant | Potential Emissions (tons/year) |
|---|---|
| PM | less than 100 |
| PM10 | less than 100 |
| $SO_2$ | less than 100 |
| VOC | greater than 100, less than 250 |
| CO | less than 100 |
| $NO_x$ | less than 100 |

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

| HAP's | Potential Emissions (tons/year) |
|---|---|
| Xylene | more than 10 |

| | |
|---|---|
| Toluene | more than 10 |
| MEK | more than 10 |
| Ethyl benzene | less than 10 |
| Lead | less than 10 |
| TOTAL | more than 25 |

(a) The potential emissions (as defined in the Indiana Rule) of VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The potential emissions (as defined in Indiana Rule) of any single HAP are equal to or greater than ten (10) tons per year and the potential emissions (as defined in Indiana Rule) of a combination HAPs are greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**Actual Emissions**

The following table shows the actual emissions from the source. This information reflects the 1994 emission data.

| Pollutant | Actual Emissions (tons/year) |
|---|---|
| PM-10 | 0.35 |
| $SO_2$ | 0.03 |
| VOC | 119.36 |
| CO | 2.14 |
| $NO_x$ | 29.16 |
| HAPs | |
| Xylene | 19.34 |
| Ethyl benzene | 5.22 |
| MEK | 4.13 |
| Toluene | 11.53 |

**County Attainment Status**

The source is located in Wells County.

| Pollutant | Status |
|---|---|
| PM-10 | unclassifiable |
| $SO_2$ | attainment |
| $NO_2$ | attainment |
| Ozone | unclassifiable/attainment |
| CO | unclassifiable/attainment |
| Lead | Not designated |

Volatile organic compounds (VOC) and oxides of nitrogen ($NO_X$) are precursors for the formation of ozone. Therefore, VOC and $NO_X$ emissions are considered when evaluating the rule applicability relating to the ozone standards. Wells County has been designated as attainment or unclassifiable for ozone.

**Part 70 Permit Conditions**

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(1) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(2) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

**Federal Rule Applicability**

(a) The boiler rated at 33.5 million Btu per hour is not subject to the requirements of the New Source Performance Standard, 326 IAC 12 and 40 CFR 60.40c, Subpart Dc, because the boiler was installed in 1972.

(b) The elevated holding waste oil tank is not subject to the requirements of the New Source Performance Standard, 326 IAC 12 and 40 CFR 60.110b, Subpart Kb, because the tank has a capacity of 500 gallons.

(c) The three (3) thirty-thousand gallon propane tanks are not subject to the requirements of the New Source Performance Standard, 326 IAC 12 and 40 CFR 60.110b, Subpart Kb, because these tanks were installed in 1972.

(d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) applicable to this source.

**State Rule Applicability - Entire Source**

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of VOC. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

(a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,

(b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

**State Rule Applicability - Individual Facilities**

326 IAC 6-2-3 (d) [Particulate Matter (PM)]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the 33.5 million Btu per hour heat input boiler shall be limited to 0.8 pounds per million British thermal unit heat input.

This limitation is based on the following:

Pursuant to 326 IAC 6-2-3 (a), particulate emissions from indirect heating facilities existing and in operation before September 21, 1983, shall be limited by the following equation:

$$Pt = ( C\ a\ h ) / ( 76.5\ Q^{0.75}\ N^{0.25} )$$

where Pt = rate of emission in pounds per MMBtu = 0.94 lb/MMBtu
C = maximum ground level concentration = 50 ug/m3 (from rule)
a = plume rise factor = 0.67 for Q less than 1000 MMBtu/hr
h = stack height in feet = 30 ft
Q = total source maximum operating capacity in MMBtu/hr = 33.5
N = number of stacks in fuel burning operation = 1

The limit resulting from the calculation of the PM emission rate shown above is 0.94 lb/MMBtu.

Pursuant to 326 IAC 6-2-3 (d), particulate emissions from all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.8 lb/MMBtu heat input.

The boiler was installed in May 1972. Based on the boiler installation date, rules 6-2-3 (a) and 6-2-3 (d) are applicable. Since the limit calculated based on 326 IAC 6-2-3 (a) of 0.94 lb/MMBtu is greater than the limit established by 326 IAC 6-2-3 (d) of 0.8 lb/MMBtu, the PM emissions from the 33.5 MMBtu/hr boiler is limited to 0.8 lb/MMBtu.

This boiler is in compliance with the PM limit of 0.8 lb/MMBtu because its PM potential emissions when burning natural gas and distillate oil are under this limit. See Appendix A for detailed calculations.

326 IAC 6-3-2(c) [Particulate Matter (PM)]

The PM from the spray booths (Units B4, E7, C3, G4, I2, M3, N3) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10\ P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

326 IAC 7-1.1-1 [Sulfur Dioxide ($SO_2$)]

Pursuant to 326 IAC 7-1.1 ($SO_2$ Emissions Limitations) the $SO_2$ emissions from the 33.5 million Btu per hour natural gas and no. 2 fuel oil-fired boiler shall not exceed five-tenths (0.5) pounds per million Btu of heat input.

326 IAC 8 [Volatile Organic Compound (VOC)]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volume weighted average volatile organic compound (VOC) content of clear coating applied by the new stator varnish process shall be limited to 4.3 pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calender day. The new electric motor stator varnish process is subject to 326 IAC 8-2-9 because the VOC estimated actual emissions are greater than 15 lbs/day. The new stator varnish process is subject to registration because the VOC potential to emit from this source is greater than 15 lbs/day but less than 25 tons/yr.

The fractional motor shells prime paint booth, identified as emission unit B4, is not subject to the VOC coating limit requirement in 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), because the VOC content delivered to the applicator is limited to two (2) tons per month. The source has requested to take a 2 tons VOC per month limit for this emission unit. Therefore, the potential emissions are less than 25 tons per year and 326 IAC 8-2-9 does not apply. Emission unit B4 was installed in 1983.

The two fractional motors main assembly paint booths, identified as emission units G4, and the fractional motors stator varnishing tank, identified as emission unit E-4, are not subject to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) or to 326 IAC 8-6 (Organic Solvent Emission Limitations), because these emission units were installed prior to October 1974 and the facility is located in Wells County.

The submersible motors rotor varnish booth (metal coating), identified as emission unit J2, is not subject to 326 IAC 8-2-9 (Miscellaneous metal coating operations) or 8-1-6 (General provisions relating to VOC rules: general reduction requirements for new facilities) because it has actual emissions less than 15 pounds per day (emissions that would make 326 IAC 8-2 applicable, see 326 IAC 8-2-1(4) threshold applicability) and potential emissions less than 25 tons VOC per year. Emission unit J2 was installed in 1992.

The fractional motors touch-up paint booth (metal coating), identified as emission unit G9, is not subject to 326 IAC 8-2-9 (Miscellaneous metal coating operations) or 8-1-6 (General provisions relating to VOC rules: general reduction requirements for new facilities) because it has actual emissions less than 15 pounds per day (emissions that would make 326 IAC 8-2 applicable, see 326 IAC 8-2-1(4) threshold applicability) and potential emissions less than 25 tons VOC per year. Emission unit G9 was installed in 1992.

The submersible motors cast iron parts paint booth (metal coating), identified as emission unit M3, is not subject to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) or to 326 IAC 8-6 (Organic Solvent Emission Limitations), because the VOC potential emissions are less than 25 tons per year and this emission unit was installed in 1989.

The submersible motors liner prime paint booth (metal coating), identified as emission unit I2, is not subject to any 326 IAC 8 rule because it has potential emissions less than 25 tons per year, was installed in 1989 and is located in Wells County.

The fractional motors miscellaneous metals prime paint booth, identified as emission unit C3, is not subject to 326 IAC 8-6 rule because it was installed in 1976, has potential emissions less than 100 tons VOC per year and is located in Wells County.

The fractional motors fungicide spray booth, identified as emission unit E7, is not subject to any 326 IAC 8 rule because it was installed in 1964 and is located in Wells County.

The submersible motors 10 inch assembly paint booth, identified as emission unit N3, is not subject to any 326 IAC 8 rule because it was installed in 1971 and is located in Wells County.

Any change or modification which may increase potential emissions from the paint booths shall require prior approval from the OAM to determine applicability requirements of 326 IAC 8, before such change may occur.

**Compliance Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in permit Section D are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in permit Section D. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

The spray booths (Units B4, E7, C3, G4, I2, M3, N3) have applicable compliance monitoring conditions as specified below:

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, daily observations shall be made of the overspray while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) Weekly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an overspray emission, evidence of overspray emission, or other noticeable change in overspray emissions is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the dry filters for the spray booths must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-7 (Part 70).

**Air Toxic Emissions**

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Part 70 Application Form GSD-08.

(a) This source will emit levels of air toxics greater than those that constitute major source applicability according to Section 112 of the Clean Air Act.

(b) See Appendix A for detailed air toxic calculations.

**Conclusion**

The operation of this electric motor manufacturing plant shall be subject to the conditions of the attached proposed Part 70 Permit No. T179-7973-00010.

# Indiana Department of Environmental Management
# Office of Air Management

## Addendum to the
## Technical Support Document for a Part 70 Operating Permit

Source Name: Franklin Electric Company
Source Location: 400 East Spring Street, Bluffton, Indiana, 46714
County: Wells
SIC Code: 3621
Operation Permit No.: T179-7973-00010
Permit Reviewer: KERAMIDA/RMEH

On October 28, 1998, the Office of Air Management (OAM) had a notice published in the Bluffton News Banner, Bluffton, Indiana, stating that Franklin Electric Company had applied for a Part 70 Operating Permit to operate a stationary source that produces electrical motors. The notice also stated that OAM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAM has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted).

1. Condition B.28 has been revised to read as follows:

IDEM now believes that this condition is not necessary and has removed it from the permit. The issues regarding credible evidence can be adequately addressed during a showing of compliance or noncompliance. Indiana's statutes, and the rules adopted under their authority, govern the admissibility of evidence in any proceeding. Indiana law contains no provisions that limit the use of any credible evidence and an explicit statement is not required in the permit.

~~B.28 Credible Evidence [326 IAC 2-7-5(3)][62 Federal Register 8313][326 IAC 2-7-6]~~
~~Notwithstanding the conditions of this permit that state specific methods that may be used to assess compliance or noncompliance with applicable requirements, other credible evidence may be used to establish compliance or noncompliance.~~

2. Condition D.1.4 has been revised to read as follows:

D.1.4 Particulate Matter (PM)
The dry filters for PM control shall be in operation at all times when the spray booth is in operation ~~and exhausting to the outside atmosphere~~.

3. The following requirement was added to Section D.1 in order to preserve IDEM's authority to request emissions testing at a future date.

**D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)]**

**The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.1.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.**

4. The following condition has been added to specify that quarterly reporting is required to document compliance with the VOC limit:

**D.1.10 Reporting Requirements**

**A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.**

5. Condition D.2.4 has been revised to read as follows:

D.2.4 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when the spray booth is in operation ~~and exhausting to the outside atmosphere~~.

6. The following requirement was added to Section D.2 in order to preserve IDEM's authority to request emissions testing at a future date.

**D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)]**

**The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.**

7. The following requirement was added to Section D.3 to specify that a Preventive Maintenance Plan is required for this facility. All subsequent conditions have been re-numbered accordingly.

**D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

**A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.**

8. Condition D.3.3 (now re-numbered D.3.4) has been revised to correct rule citations and now reads as follows:

D.3.~~3~~**4** Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-**7-4**~~3-4~~, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the

procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) heat input boiler, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-~~6~~**2**-~~2.1~~.

9. The following requirement was added to Section D.3 in order to preserve IDEM's authority to request emissions testing at a future date.

**D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)]**

**The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the limits specified in Conditions D.3.1 or D.3.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.**

10. Condition D.3.5 (now re-numbered D.3.7) has been revised to read as follows:

D.3.~~5~~**7** Record Keeping Requirements

(a) To document compliance with Condition D.3.2 and D.3.~~3~~**4**, the Permittee shall maintain records in accordance with (1) through (6) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

**If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:**

(4) Fuel supplier certifications.

~~The fuel supplier certification shall contain, as a minimum, the following:~~

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

11. Condition D.3.6 (now re-numbered D.3.8) has been revised to read as follows:

D.3.~~6~~**8** Reporting Requirements

~~The Permittee shall certify, on the form provided, that natural gas was fired in the boilers at all times during the report period. This certification shall be included when submitting the Annual Compliance Certification Letter.~~

**A semi-annual summary of the information to document compliance with Condition D.3.2 in any compliance period when no. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.**

12. Two conditions have been added to Section D.4 that were inadvertently omitted from this section (all other conditions were re-numbered accordingly). Condition D.4.2 Particulate Matter, has been added because 326 IAC 6-3-2 is a requirement that is applicable to the paint booth. Condition D.4.3 has been added to preserve IDEM's authority to request emissions testing at a future date.

Emission Limitations and Standards

**D.4.2 Particulate Matter (PM) [326 IAC 6-3-2(c)]**

**Pursuant to 326 IAC 6-3-2, the PM from the rotor varnish paint booth shall not exceed the pound per hour emission rate established as E in the following formula:**

**Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:**

**$E = 4.10\ P^{0.67}$** **where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour**

Compliance Determination Requirements

~~There are no compliance determination requirements applicable to these facilities.~~

**D.4.3 Testing Requirements [326 IAC 2-7-6(1),(6)]**

**The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.4.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.**

13. Two conditions have been added to Section D.5 that were inadvertently omitted from this section (all other conditions were re-numbered accordingly). Condition D.5.7 Particulate Matter, has been added because 326 IAC 6-3-2 is a requirement that is applicable to the paint booth. Condition D.5.9 has been added to preserve IDEM's authority to request emissions testing at a future date.

**D.5.7 Particulate Matter (PM) [326 IAC 6-3-2(c)]**

**Pursuant to 326 IAC 6-3-2, the PM from the stator varnish paint booth shall not exceed the pound per hour emission rate established as E in the following formula:**

**Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:**

**$E = 4.10\ P^{0.67}$** **where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour**

**D.5.9 Testing Requirements [326 IAC 2-7-6(1),(6)]**

**The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in**

**compliance. If testing is required by IDEM, compliance with the Particulate Matter limit specified in Condition D.5.7 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.**

14. Condition D.5.7 (now re-numbered D.5.8) was revised to add in the rule cites that specify the compliance methods for 326 IAC 8-2-9:

D.5.~~7~~**8** Volatile Organic Compounds

Compliance with the VOC content **limitation** contained in Condition D.5.6 shall be determined pursuant to 326 IAC 8-1-4(a)(3)~~(A)~~ **and 326 IAC 8-1-2(a)** using formulation data supplied by the coating manufacturer. However, IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

On October 14, 1998, Franklin Electric Company submitted comments on the proposed Part 70 permit. The summary of the comments is as follows:

**Comment 1:**
We have reviewed our draft permit and feel that one of the monitoring requirements stated in sections D.1.7(a) and D.2.5(a) is not very practical. This requirement is that we observe the stacks from our paint lines daily while in operation. Our fear is that this requirement will not be met, especially during the winter months, due to the logistics of the checks required. We have a very large roof with very limited access. The paint booth exhaust stacks can not be observed from the ground, requiring someone to climb up on the roof daily. We propose that the stack observations be done monthly so that we can be sure to comply with our permit.

**Response 1:**
Conditions D.1.7 and D.2.5 (now re-numbered D.1.8 and D.2.6) have been changed to reflect OAM revisions to the permit. The OAM does not believe that monthly stack observations would be sufficient to ensure performance of the dry filters. Complying with the requirements of 326 IAC 6-3-2 can be especially variable for paint booths. The actual substrate being painted and the solids content of the paint being used can affect the process weight rate, the gallons or pounds of solids used, transfer efficiency, or other factors that directly affect actual, allowable, or potential emissions. While permit applications contain representative information regarding these factors, relying on this information as an ongoing demonstration of compliance is difficult if the factors are not themselves enforceable. The OAM does not believe that it would be generally advisable to include these factors as permit conditions, to make them enforceable or to presume that they are so fixed they define a source's potential emissions because either could severely limit a source's operational flexibility. Properly operating the air pollution controls that are already in place is generally adequate to demonstrate compliance with 326 IAC 6-3 in lieu of a stack test and also assures compliance with applicable rules limiting fugitive dust, opacity, and (when necessary) Potential to Emit. The OAM believes that checking the placement and integrity of the filters once a day is a very effective means of ensuring proper operation and ongoing compliance. The OAM has re-evaluated the other compliance monitoring provisions related to evidence of actual emissions from the paint booths and believes that less resource intensive provisions are appropriate. The frequency of visible emissions evaluations has been changed from daily to weekly. The frequency of inspections of rooftops or other surfaces for a noticeable change in solids deposition has been changed from weekly to monthly. The following revisions have been made to the permit.

D.1.~~7~~**8** Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, ~~daily~~ **weekly** observations shall be made of the overspray from the surface coating booth stacks (E-3, E-4) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take

response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) ~~Weekly~~ **Monthly** inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

D.2.~~5~~**6** Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, ~~daily~~ **weekly** observations shall be made of the overspray from the surface coating booth stacks (E-7, E-8, E-9, E-10, E-11, E-12, E-13, E-14, E-15, E-18, E-19) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) ~~Weekly~~ **Monthly** inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

D.1.~~8~~**9** Record Keeping Requirements

(a) To document compliance with Condition D.1.~~7~~**8**, the Permittee shall maintain a log of ~~daily~~ **weekly** overspray observations, daily and ~~weekly~~ **monthly** inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(b) To document compliance with Condition D.1.1 and D.1.6, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month;

(4) The total VOC usage for each month; and

(5) The weight of VOCs emitted for each compliance period.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.~~6~~**7** Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) through (3) below.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The cleanup solvent usage for each month;

(3) The total VOC usage for each month; and

(b) To document compliance with Condition D.2.~~5~~**6**, the Permittee shall maintain a log of ~~daily~~ **weekly** overspray observations, daily and ~~weekly~~ **monthly** inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

On February 8, 1999, Franklin Electric Company requested that propane be included with no. 2 fuel oil as a backup fuel for the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) boiler indicated in Section D.3. The following revisions have been made to Sections A.2 and D.3 in response to this request (bolded language has been added, the language with a line through it has been deleted).

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(9) One (1) natural gas**, propane** and no. 2 fuel oil-fired boiler, rated at thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr), and exhausting to stack E-1.

**SECTION D.3 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-7-5(15)]:
One (1) natural gas**, propane** and no. 2 fuel oil-fired boiler, rated at thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr), and exhausting to stack E-1.

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.3.1 Particulate Matter (PM) [326 IAC 6-2-3 (d)]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) heat input boiler shall be limited to 0.8 pounds per million British thermal unit (0.8 lb/MMBtu) heat input.

D.3.2 Sulfur Dioxide ($SO_2$) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 ($SO_2$ Emissions Limitations) the $SO_2$ emissions from the thirty-three and five tenths million Btu per hour (33.5 MMBtu/hr) ~~natural gas and no. 2 fuel oil-fired~~ **heat input** boiler shall not exceed five-tenths (0.5) pounds per million Btu of heat input.

On May 7, 1999, Franklin Electric Company submitted a letter that stated they would be replacing a 0.850 MMBtu/hr electric cure oven with a 0.800 MMBtu/hr natural gas fired oven. The emissions from the addition of this natural gas fired oven have been determined to be at exempt levels (less than 5 tons per year PM and PM10, less than 10 tons per year SO2, NOx, and VOCs, and less than 25 tons per year CO). There are no additional applicable requirements for this oven. In addition to this change IDEM, OAM has revised the description of the varnish process to specify that the process is a paint booth. The following revisions have been made to Sections A.2 and D.5 in response to this request (bolded language has been added, the language with a line through it has been deleted).

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(12) One (1) new stator varnish ~~process~~, **paint booth** with a maximum capacity of five parts per day (5 parts/day) and a **natural gas fired** curing varnish oven, rated at ~~eighty-five-hundredths million Btu per hour (0.85 MMBtu/hr).~~ **0.800 million Btu per hour.**

Section D.5 Facility Descriptions

Facility Description [326 IAC 2-7-5(15)]:
One (1) new stator varnish ~~process~~ **paint booth**, with a maximum capacity of five parts per day (5 parts/day) and a **natural gas fired** curing varnish oven, rated at ~~eighty-five-hundredths million Btu per hour (0.85 MMBtu/hr).~~ **0.800 million Btu per hour.**

FRANKLIN ELECTRIC COMPANY

**33.5 MMBtu/hr BOILER**

**Pt = [ C*a*h ] / [ 76.5 * Q^0.75 * N^0.25 ]**

| | | | |
|---|---|---|---|
| **Pt =** | **0.94** | **lb/MMBtu** | rate of emission |
| **C =** | 50 | ug/m3 | maximum ground level concentration |
| **a =** | 0.67 | | plume rise factor (for Q less than 1000 MMBtu/hr) |
| **h =** | 30 | feet | stack height (in feet) |
| **Q =** | 33.5 | MMBtu/hr | total source maximum operating capacity |
| **N =** | 1 | | number of stacks in fuel burning operation |

**APPENDIX**

**A**

**Franklin Electric Company**
**Bluffton, IN**

Boiler
33.5 MMBtu/hr
Inst. date May 1972

| | Natural gas | | | | Distillate oil | | | |
|---|---|---|---|---|---|---|---|---|
| | 1-02-006-02 | | | Pot. Em. | 1-02-005-01 | | | Pot. Em. |
| | (lb/MCF) | (lb/MMBtu) | (lb/hr) | (tons/year) | lb/1000 gallons | (lb/MMBtu) | (lb/hr) | (tons/year) |
| Part | 3 | 0.003 | 0.1005 | 0.4402 | 2 | 0.0143 | 0.4786 | 2.0961 |
| PM10 | 3 | 0.003 | 0.1005 | 0.4402 | 1 | 0.0071 | 0.2393 | 1.0481 |
| SOx | 0.6 | 0.0006 | 0.0201 | 0.0880 | 143.6 S | 0.5129 | 17.1807 | 75.2515 |
| NOx | 140 | 0.14 | 4.69 | 20.5422 | 20 | 0.1429 | 4.7857 | 20.9614 |
| VOC | 2.8 | 0.0028 | 0.0938 | 0.4108 | 0.2 | 0.0014 | 0.0479 | 0.2096 |
| CO | 35 | 0.035 | 1.1725 | 5.1356 | 5 | 0.0357 | 1.1964 | 5.2404 |
| Lead | - | | | | 0.0004 | 0.000003 | 0.000096 | 0.000419 |
| | | | | | S= 0.5% | | | |
| | | | | | Distillate Oil | 140,000 Btu/gallon | | |

**Franklin Electric Company**
**Bluffton, IN**

Emission Calculations

| B4 (Shell Painting Operation) | lb/gal | wt% (red) | part/hr | gal/part | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.86 | 10.55 | 201 | 0.008 | 1.33 | 0.027 | 5.84 | 0.117 |
| VOC | 7.86 | 89.45 | 201 | 0.008 | 11.31 | | 49.52 | |
| Xylene | 7.86 | 87.67 | 201 | 0.008 | 11.08 | | 48.53 | |
| B4 (Shell Painting Operation) | lb/gal | wt% (gray) | part/hr | gal/part | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.52 | 7.92 | 201 | 0.008 | 0.96 | 0.019 | 4.19 | 0.084 |
| VOC | 7.52 | 92.08 | 201 | 0.008 | 11.13 | | 48.77 | |
| Xylene | 7.52 | 90.91 | 201 | 0.008 | 10.99 | | 48.15 | |

| E4 (Stator Varnish) | lb/gal | wt% | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.76 | 0 | 0.006 | 154 | 0.00 | NA | 0.00 | NA |
| VOC | 7.76 | 82.27 | 0.006 | 154 | 5.90 | NA | 25.84 | NA |
| Xylene | 7.76 | 74.33 | 0.006 | 154 | 5.33 | NA | 23.34 | NA |
| Ethyl benzene | 7.76 | 2.67 | 0.006 | 154 | 0.19 | NA | 0.84 | NA |

| E7 (Fungicide) | lb/gal | wt% | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.51 | 23.25 | 0.003 | 200 | 1.05 | 0.021 | 4.59 | 0.092 |
| VOC | 7.51 | 76.75 | 0.003 | 200 | 3.46 | | 15.15 | |
| Xylene | 7.51 | 63 | 0.003 | 200 | 2.84 | | 12.43 | |
| Ethyl benzene | 7.51 | 4.5 | 0.003 | 200 | 0.20 | | 0.89 | |

| C3 (Miscellaneous Metal Stampings) | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.39 | 16.95 | 0.0005 | 500 | 0.31 | 0.006 | 1.37 | 0.027 |
| VOC | 7.39 | 83.05 | 0.0005 | 500 | 1.53 | | 6.72 | |
| Xylene | 7.39 | 50.5 | 0.0005 | 500 | 0.93 | | 4.09 | |
| Toluene | 7.39 | 9.5 | 0.0005 | 500 | 0.18 | | 0.77 | |
| MEK | 7.39 | 10.5 | 0.0005 | 500 | 0.19 | | 0.85 | |
| C3 (Miscellaneous Metal Stampings) | lb/gal | wt% (black) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.39 | 13.6 | 0.0005 | 500 | 0.25 | 0.005 | 1.10 | 0.022 |
| VOC | 7.39 | 86.4 | 0.0005 | 500 | 1.60 | | 6.99 | |
| Xylene | 7.39 | 50.5 | 0.0005 | 500 | 0.93 | | 4.09 | |
| Toluene | 7.39 | 9.5 | 0.0005 | 500 | 0.18 | | 0.77 | |
| MEK | 7.39 | 11.5 | 0.0005 | 500 | 0.21 | | 0.93 | |

* controlled emissions

| G4 (Fractional Motors Assembly- Fast line) | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.39 | 16.95 | 0.011 | 180 | 2.48 | 0.050 | 10.86 | 0.217 |
| VOC | 7.39 | 83.05 | 0.011 | 180 | 12.15 | | 53.23 | |
| Xylene | 7.39 | 50.5 | 0.011 | 180 | 7.39 | | 32.36 | |
| Toluene | 7.39 | 9.5 | 0.011 | 180 | 1.39 | | 6.09 | |
| MEK | 7.39 | 10.5 | 0.011 | 180 | 1.54 | | 6.73 | |
| G4 (Fractional Motors Assembly- Fast line) | lb/gal | wt% (black) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.39 | 13.6 | 0.011 | 180 | 1.99 | 0.040 | 8.72 | 0.174 |
| VOC | 7.39 | 86.4 | 0.011 | 180 | 12.64 | | 55.37 | |
| Xylene | 7.39 | 50.5 | 0.011 | 180 | 7.39 | | 32.36 | |
| Toluene | 7.39 | 9.5 | 0.011 | 180 | 1.39 | | 6.09 | |
| MEK | 7.39 | 11.5 | 0.011 | 180 | 1.68 | | 7.37 | |
| G4 (Fractional Motors Assembly- Slow line) | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.39 | 16.95 | 0.011 | 150 | 2.07 | 0.041 | 9.05 | 0.181 |
| VOC | 7.39 | 83.05 | 0.011 | 150 | 10.13 | | 44.35 | |
| Xylene | 7.39 | 50.5 | 0.011 | 150 | 6.16 | | 26.97 | |
| Toluene | 7.39 | 9.5 | 0.011 | 150 | 1.16 | | 5.07 | |
| MEK | 7.39 | 10.5 | 0.011 | 150 | 1.28 | | 5.61 | |
| G4 (Fractional Motors Assembly- Slow line) | lb/gal | wt% (black) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.39 | 13.6 | 0.011 | 150 | 1.66 | 0.033 | 7.26 | 0.145 |
| VOC | 7.39 | 86.4 | 0.011 | 150 | 10.54 | | 46.14 | |
| Xylene | 7.39 | 50.5 | 0.011 | 150 | 6.16 | | 26.97 | |
| Toluene | 7.39 | 9.5 | 0.011 | 150 | 1.16 | | 5.07 | |
| MEK | 7.39 | 11.5 | 0.011 | 150 | 1.40 | | 6.14 | |

| G9 (Touch-Up Booth) | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.39 | 16.95 | 0.001 | 50 | 0.06 | 0.001 | 0.27 | 0.005 |
| VOC | 7.39 | 83.05 | 0.001 | 50 | 0.31 | | 1.34 | |
| Xylene | 7.39 | 50.5 | 0.001 | 50 | 0.19 | | 0.82 | |
| Toluene | 7.39 | 9.5 | 0.001 | 50 | 0.04 | | 0.15 | |
| MEK | 7.39 | 10.5 | 0.001 | 50 | 0.04 | | 0.17 | |
| G9 (Touch-Up Booth) | lb/gal | wt% (black) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.39 | 13.6 | 0.001 | 50 | 0.05 | 0.001 | 0.22 | 0.004 |
| VOC | 7.39 | 86.4 | 0.001 | 50 | 0.32 | | 1.40 | |
| Xylene | 7.39 | 50.5 | 0.001 | 50 | 0.19 | | 0.82 | |
| Toluene | 7.39 | 9.5 | 0.001 | 50 | 0.04 | | 0.15 | |
| MEK | 7.39 | 11.5 | 0.001 | 50 | 0.04 | | 0.19 | |

* controlled emissions

| I2 (Liner Prime Booth) | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 8.01 | 40 | 0.004 | 17 | 0.22 | 0.004 | 0.95 | 0.019 |
| VOC | 8.01 | 60 | 0.004 | 17 | 0.33 | | 1.43 | |
| Xylene | 8.01 | 30 | 0.004 | 17 | 0.16 | | 0.72 | |
| n-butanol | 8.01 | 15 | 0.004 | 17 | 0.08 | | 0.36 | |
| MEK | 8.01 | 30 | 0.004 | 17 | 0.16 | | 0.72 | |

| M2 (Motor End Bell, Caps, Thrust Housing | lb/gal | wt% (blue) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.39 | 16.95 | 0.003 | 60 | 0.23 | 0.005 | 0.99 | 0.020 |
| VOC | 7.39 | 83.5 | 0.003 | 60 | 1.11 | | 4.86 | |
| Xylene | 7.39 | 50.5 | 0.003 | 60 | 0.67 | | 2.94 | |
| Toluene | 7.39 | 9.5 | 0.003 | 60 | 0.13 | | 0.55 | |
| MEK | 7.39 | 10.5 | 0.003 | 60 | 0.14 | | 0.61 | |
| M2 (Motor End Bell, Caps, Thrust Housing | lb/gal | wt% (red) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
| PM/PM10 | 7.29 | 2.3 | 0.003 | 60 | 0.03 | 0.001 | 0.13 | 0.003 |
| VOC | 7.29 | 97.7 | 0.003 | 60 | 1.28 | | 5.62 | |
| Xylene | 7.29 | 90 | 0.003 | 60 | 1.18 | | 5.17 | |
| Toluene | 7.29 | 3.1 | 0.003 | 60 | 0.04 | | 0.18 | |
| MEK | 7.29 | 1.1 | 0.003 | 60 | 0.01 | | 0.06 | |

| N3 (Submersible 10 inch Motors) | lb/gal | wt% (red) | gal/part | part/hr | lb/hr | lb/hr* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.51 | 23 | 0.018 | 30 | 0.93 | 0.019 | 4.09 | 0.082 |
| VOC | 7.51 | 77 | 0.018 | 30 | 3.12 | | 13.68 | |
| Xylene | 7.51 | 0 | 0.018 | 30 | 0.00 | | 0.00 | |
| Toluene | 7.51 | 31 | 0.018 | 30 | 1.26 | | 5.51 | |
| MEK | 7.51 | 11 | 0.018 | 30 | 0.45 | | 1.95 | |

* controlled emissions

| J2 (Rotor Varnish Process) | lb/gal | wt% | gal/part | part/day | lb/day | lb/day* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.73 | 32 | 0.1 | 26 | 6.43 | NA | 1.17 | NA |
| VOC | 7.73 | 68 | 0.1 | 26 | 13.67 | NA | 2.49 | NA |
| Xylene | 7.73 | 17 | 0.1 | 26 | 3.42 | NA | 0.62 | NA |
| Ethylbenzene | 7.73 | 7 | 0.1 | 26 | 1.41 | NA | 0.26 | NA |

| New (Stator Varnish Process) | lb/gal | wt% | gal/part | part/day | lb/day | lb/day* | tpy | tpy* |
|---|---|---|---|---|---|---|---|---|
| PM/PM10 | 7.73 | 32 | 1 | 5 | 12.37 | NA | 2.26 | NA |
| VOC | 7.73 | 68 | 1 | 5 | **26.28** | NA | 4.80 | NA |
| Xylene | 7.73 | 17 | 1 | 5 | 6.57 | NA | 1.20 | NA |
| Ethylbenzene | 7.73 | 7 | 1 | 5 | 2.71 | NA | 0.49 | NA |

**Franklin Electric Company**
**Bluffton, IN**

Summary of Estimated Emissions Calculations

| | | PM/PM10 | PM/PM10 * | VOC | Xylene | Toluene | MEK | n-butanol | Ethylbenzene |
|---|---|---|---|---|---|---|---|---|---|
| Unit | Description | lb/hr | lb/hr | lb/hr | lb/hr | lb/hr | lb/hr | lb/hr | lb/hr |
| B4 | Shell Painting Operation | 1.33 | 0.03 | 11.31 | 11.08 | 0 | 0 | 0 | 0 |
| C3 | Miscellaneous Metal Stampings | 0.31 | 0.01 | 1.60 | 0.93 | 0.18 | 0.21 | 0 | 0 |
| E4 | Stator Varnish | 0 | | 5.90 | 5.33 | | | | 0.19 |
| E7 | Fungicide | 1.05 | 0.02 | 3.46 | 2.84 | | | | 0.2 |
| G4 | Fractional Motors Assembly -Fast Line | 2.48 | 0.05 | 12.64 | 7.39 | 1.39 | 1.68 | 0 | 0 |
| G4 | Fractional Motors Assembly -Slow Line | 2.07 | 0.04 | 10.54 | 6.16 | 1.16 | 1.4 | 0 | 0 |
| G9 | Touch-Up Paint Booth | 0.06 | 0.001 | 0.32 | 0.19 | 0.04 | 0.04 | 0 | 0 |
| I2 | Liner Prime Booth | 0.22 | 0.004 | 0.33 | 0.16 | 0 | 0.16 | 0.08 | 0 |
| M2 | Motor End Bell, Caps, Thrust Housing | 0.23 | 0.01 | 1.28 | 1.18 | 0.13 | 0.14 | | |
| N3 | Submersible 10 inch Motors | 0.93 | 0.02 | 3.12 | 0 | 1.26 | 0.45 | 0 | 0 |
| J2 | Rotor Varnish Process (lbs/day) | 6.43 | | 13.67 | 3.42 | | | | 1.41 |
| New | Stator Varnish Process (lbs/day) | 12.37 | | 26.28 | 6.57 | | | | 2.71 |
| | Total | 27.48 | 0.174 | 90.45 | 45.25 | 4.16 | 4.08 | 0.08 | 4.51 |

**Franklin Electric Company**
**Bluffton, IN**

Potential Emissions from Calculations (Entire Source)

| | | PM/PM10 | PM/PM10 * | VOC | SO2 | NOx | CO | Xylene | Toluene | MEK | n-butanol | Lead | Ethylbenzene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | Description | tpy | tpy | tpy | tpy | tpy | tpy | tpy | tpy | tpy | tpy | tpy | tpy |
| B4 | Shell Painting Operation | 5.84 | 0.12 | 49.52 | | | | 48.53 | 0 | 0 | 0 | | 0 |
| C3 | Miscellaneous Metal Stampings | 1.37 | 0.03 | 6.99 | | | | 4.09 | 0.77 | 0.93 | 0 | | 0 |
| E4 | Stator Varnish | 0.00 | | 25.84 | | | | 23.34 | | | | | 0.84 |
| E7 | Fungicide | 4.59 | 0.09 | 15.15 | | | | 12.43 | | | | | 0.89 |
| G4 | Fractional Motors Assembly -Fast Line | 10.86 | 0.22 | 55.37 | | | | 32.36 | 6.09 | 7.37 | 0 | | 0 |
| G4 | Fractional Motors Assembly -Slow Line | 9.05 | 0.18 | 46.14 | | | | 26.97 | 5.07 | 6.14 | 0 | | 0 |
| G9 | Touch-Up Paint Booth | 0.27 | 0.005 | 1.40 | | | | 0.82 | 0.15 | 0.19 | 0 | | 0 |
| I2 | Liner Prime Booth | 0.95 | 0.019 | 1.43 | | | | 0.72 | 0 | 0.72 | 0.36 | | 0 |
| M2 | Motor End Bell, Caps, Thrust Housing | 0.99 | 0.02 | 5.62 | | | | 5.17 | 0.55 | 0.61 | | | |
| N3 | Submersible 10 inch Motors | 4.09 | 0.08 | 13.68 | | | | 0 | 5.51 | 1.95 | 0 | | 0 |
| J2 | Rotor Varnish Process | 1.17 | | 2.49 | | | | 0.62 | | | | | 0.26 |
| New | New Process | 2.26 | | 4.80 | | | | 1.2 | | | | | 0.49 |
| | Boiler | 2.10 | 2.10 | 0.41 | 75.25 | 20.96 | 5.24 | | | | | 0.00042 | |
| | Total | 43.54 | 2.86 | 228.84 | 75.25 | 20.96 | 5.24 | 156.25 | 18.14 | 17.91 | 0.36 | 0.00042 | 2.48 |

* controlled emissions